

CD AUTO CHANGER

KDC-C462/Y C662/Y

SERVICE MANUAL

KENWOOD

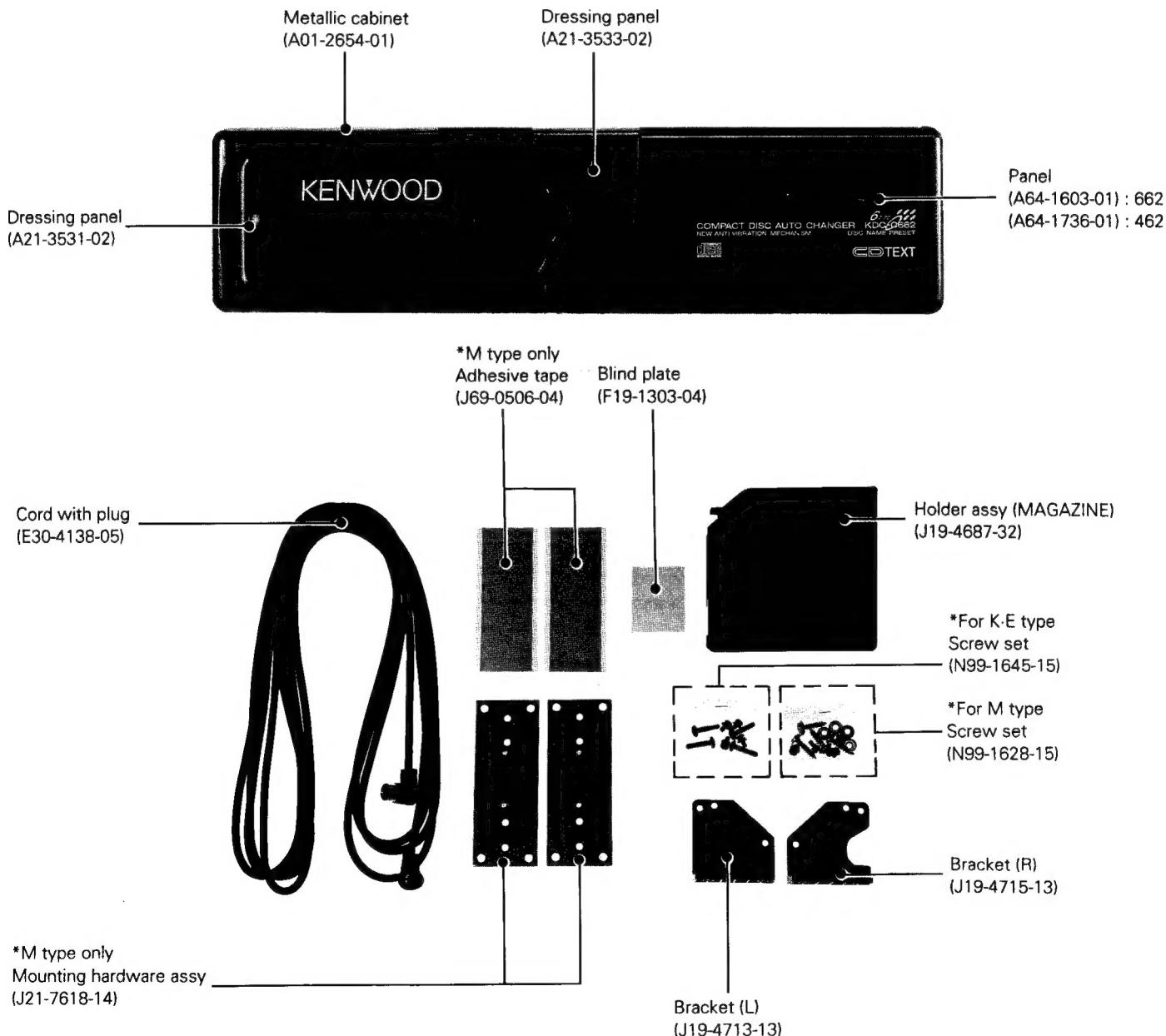
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B51-7408-00(S) 3280

When transporting these models, always attach CAUTION CARD and STEPPED SCREW (for transportation).

CAUTION CARD : B58-1275-04
STEPPED SCREW : N09-4186-25

Service jig	Parts No.
For initial position setting	W05-0635-00

Photo is KDC-C662



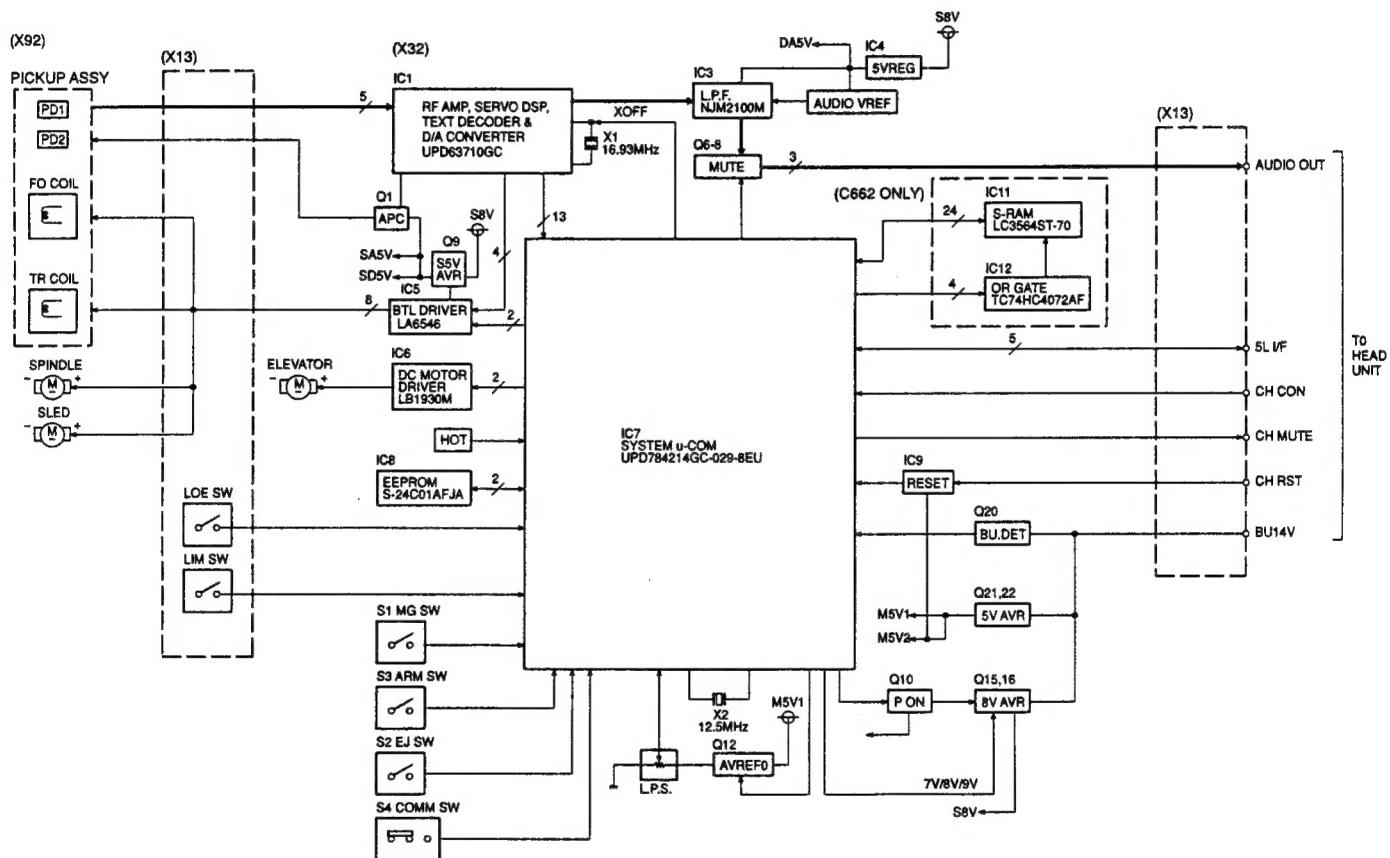
The MECHANISM OPERATION DESCRIPTION is the same as model KDC-C660.
Please refer to the service manual for model KDC-C660 (B51-7105-00).

KDC-C462/Y, C662/Y

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		SPECIFICATIONS	BACK COVER

BLOCK DIAGRAM



KDC-C462/Y, C662/Y

MICROCOMPUTER DESCRIPTION

System µ-com : UPD784214GC029 (X32- : IC7)

● Terminal description

Pin No.	Pin Name	I/O	Description
1	TOUT	O	Test output
2	TSTB	O	Text data strobe signal
3	-	O	NC
4	FOK	I	H: Focus OK, L: Focus NG
5	XOFF	O	H: Servo IC oscillation stop
6	RST	O	L: Servo IC reset
7	AO	O	H: Parameter setting L: Address register setting
8	STB	O	L: Data latch
9	VDD	-	Power voltage connection
10	X2	-	Oscillator
11	X1	I	Oscillator
12	VSS	-	GND
13	XT2	-	NC
14	XT1	I	GND
15	RESET	I	L: Reset
16	-	-	NC
17	MGSW	I	H: Holder IN, L: Holder OUT
18	EJSW	I	H: Eject
19	COMMSW	I	H: New, L: Old
20	PACK	I	Text data pack synchronizing signal
21	CHCON	I	Changer control
22	BUDET	I	BU detection
23	AVDD	I	A/D converter power
24	AVREF	I	A/D converter reference voltage
25	HOT	I	Hot-temperature detection
26	LPS	I	Position detection
27	LOESW	I	L: Loading completion
28	LIMSW	I	L: PU limit switch ON
29	TOFF	I	Tracking OFF mode
30	ADJSEL	I	H: Servo ADJ OFF L: Servo ADJ ON
31	TBANK	I	H: Gain up, L: Normal
32	-	-	-
33	AVSS	-	GND
34	LPSCO	O	A/D converter power H: OFF
35	AMUTE	O	L: Mute ON
36	AVREF1	-	A/D converter power
37	SDI	I	Servo data input
38	SDO	O	Servo data output
39	SCK	O	Servo clock output
40	DATAH	I	Data input from H/U
41	DATAC	O	Data output to H/U
42	HCLK	I/O	H: Clock input L: Clock output

Pin No.	Pin Name	I/O	Description
43	REQC	O	Communication request to H/U
44	CHMUTE	O	L: Mute ON
45	TSI	I	Text data input
46	TSO	O	Text data output
47	TSCK	O	Text clock output
48-55	A0-A7	O	Address setting output to S-RAM
56-63	D0-D7	I/O	Data input/output with S-RAM
64-68	A8-A12	O	S-RAM address setting
69-71	A13-A15	O	S-RAM enable control
72	VSS	-	GND
73, 74	A16-A17	O	S-RAM enable control
75	RAMOK	O	H: OK
76	ELVADJ	I	L: Adjustment mode
77	RD	O	Read control output to S-RAM
78	WR	O	Write control output to S-RAM
79	WAIT	I	Wait during access with S-RAM
80	ASTB	O	NC
81	VDD	-	Power voltage connection
82	RAMTEST	I	H: S-RAM check mode
83	REQH	I	Communication request from H/U
84	SP/LO+	O	Spindle/Loading + control
85	SP/LO-	O	Spindle/Loading - control
86	ELV+	O	Mechanical up/down control
87	ELV-	O	Mechanical up/down control
88	SIM1	I	L: Text, H: No-Text
89	SEARCH	O	H: Play, L: Search
90, 91	TEST1, 2	I	L: Normal, H: Test
92	8V/7V	O	H: 7V, L: 8V (Servo power)
93	SLG	I	H: +3dB, L: 0dB (Sled gain)
94	TEST/VPP	I	L: Flash ROM program mode OFF
95	SRVSEL	I	H: Servo mode
96	SLNSA	I	L: Sled non-sensitive band ON
97	SDA	I/O	EEPROM data input/output
98	SCL	O	EEPROM clock output
99	PON	O	L: Power ON
100	ARMSW	I	H: Arm switch ON

KDC-C462/Y, C662/Y

ADJUSTMENT

● TEST MODE

1. How to enter

While holding the magazine EJECT switch, reset the unit and keep on holding the EJECT switch for more second to enter the E-88 mode.

(NOTE) In the E-88 mode, the initial position detection operation at the time of reset start is not performed.

2. Manual operation functions

The E-88 display appears when the H/U is set to the changer mode. In this condition, the changer mechanism can be operated manually using the Track search UP/DOWN and Disc search UP/DOWN keys.

Track search UP key :

Operates the Spindle/Loading motor in the direction for pulling the disc tray into the mechanism deck (disc loading direction).

Track search DOWN key :

Operates the Spindle/Loading motor in the direction for returning the disc tray into the magazine (disc ejection direction).

Disc search UP key :

Operates the ELV motor in the direction for moving the mechanism deck upward.

Disc search DOWN key :

Operates the ELV motor in the direction for moving the mechanism deck downward.

● POSITION ADJUSTMENT

1. LPS initial position adjustment procedure

Connect the changer to the H/U. While holding the magazine [EJECT] key of the changer, press the [RESET] key of the H/U and, in about 1 second, release the magazine [EJECT] key.

Press the [CD] key of the H/U to enter the E-88 mode. Move the mechanism deck to around the 1st stage by pressing the [DISC-] or [DISC+] key. Insert the adjustment tool into the tool hole on the changer mechanism. Then press the [DISC+] key to move the mechanism deck until the mechanism's slider hits the adjustment tool. When the motor locks (stops) press the [REPEAT] key of the H/U.

When the [REPEAT] key is pressed, the mechanism moves automatically to the 1st stage and the initial position adjustment completes. (The data is written in the EEPROM at this time)

3. Position adjustment function

This function writes the mechanism position adjustment values in the EEPROM in the E-88 mode.

[Adjustment procedure]

- With the mechanism in the magazine ejection condition, move the mechanism manually up and down to set the mechanism to the reference position.

- Pressing the REP key of the H/U starts the judgment of the mechanism position and the distinction whether the changer is a 6-disc or 10-disc changer.

If the mechanism position is extremely deviated from the reference position, the processing is aborted immediately.

- The offset from the reference position is calculated and the 6/10 data and offset values are written in the EEPROM.

- Data is read from the EEPROM to judge whether it has been written normally.

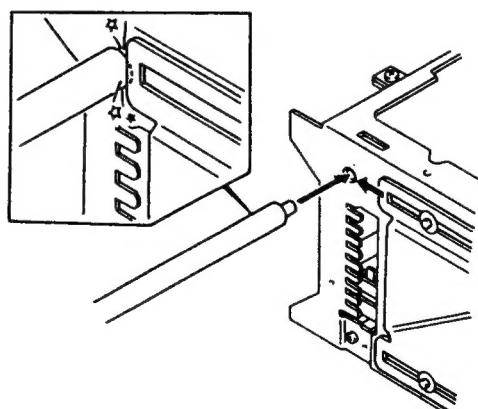
When it is judged that the write operation has completed normally, the mechanism deck moves to the magazine ejection standby position.

When it is judged that the write operation was abnormal, the mechanism performs no operation.

(NOTE) Mechanism reference position

6 disc mechanism : 3rd stage

10 disc mechanism : 6th stage

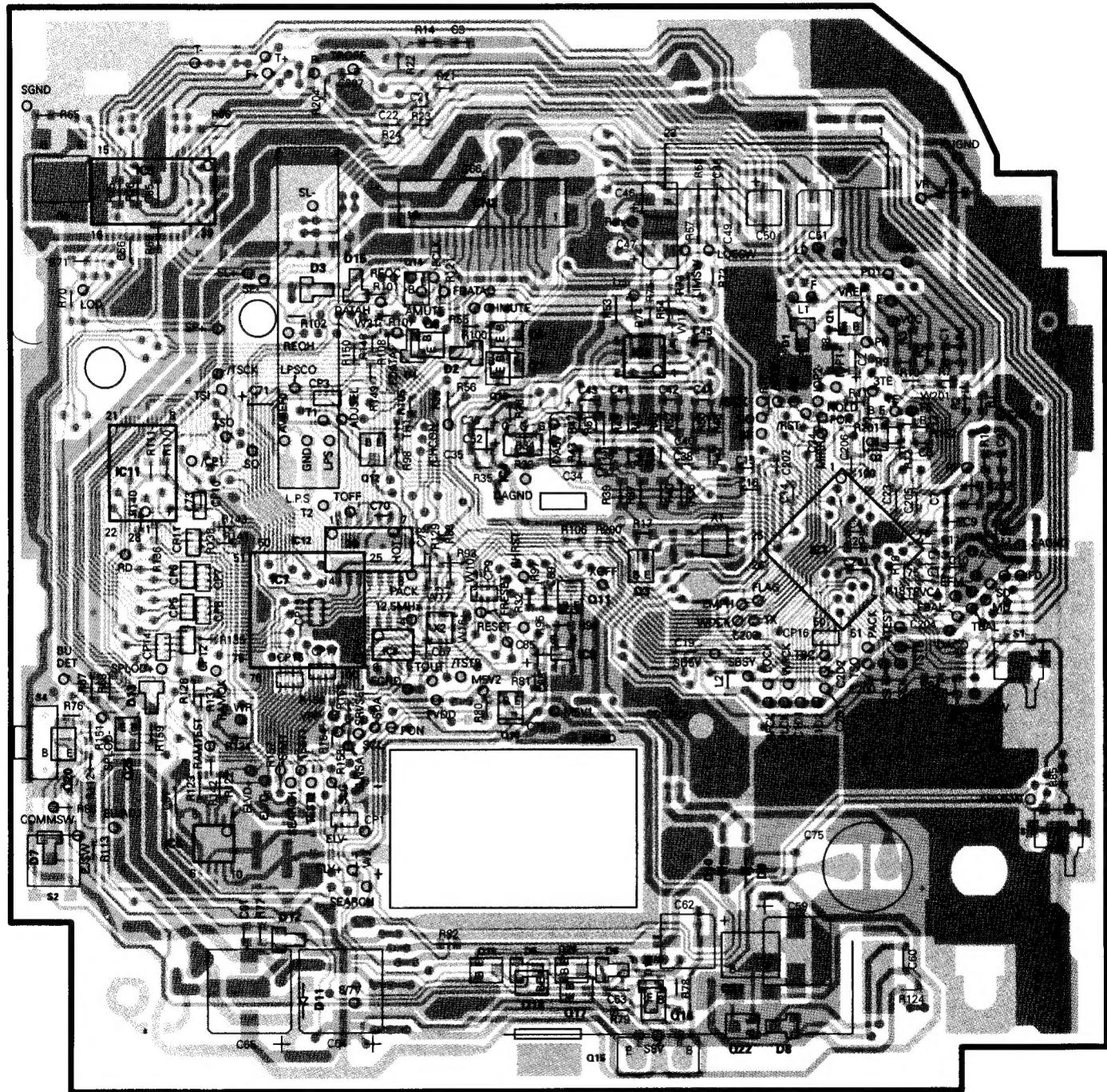


ADJUSTMENT TOOL : W05-0635-00

PC BOARD (Component side view)

CD PLAYER UNIT (X32-4610-00)/(X32-4490-XX)

X32-4490-00 (J74-0893-01)



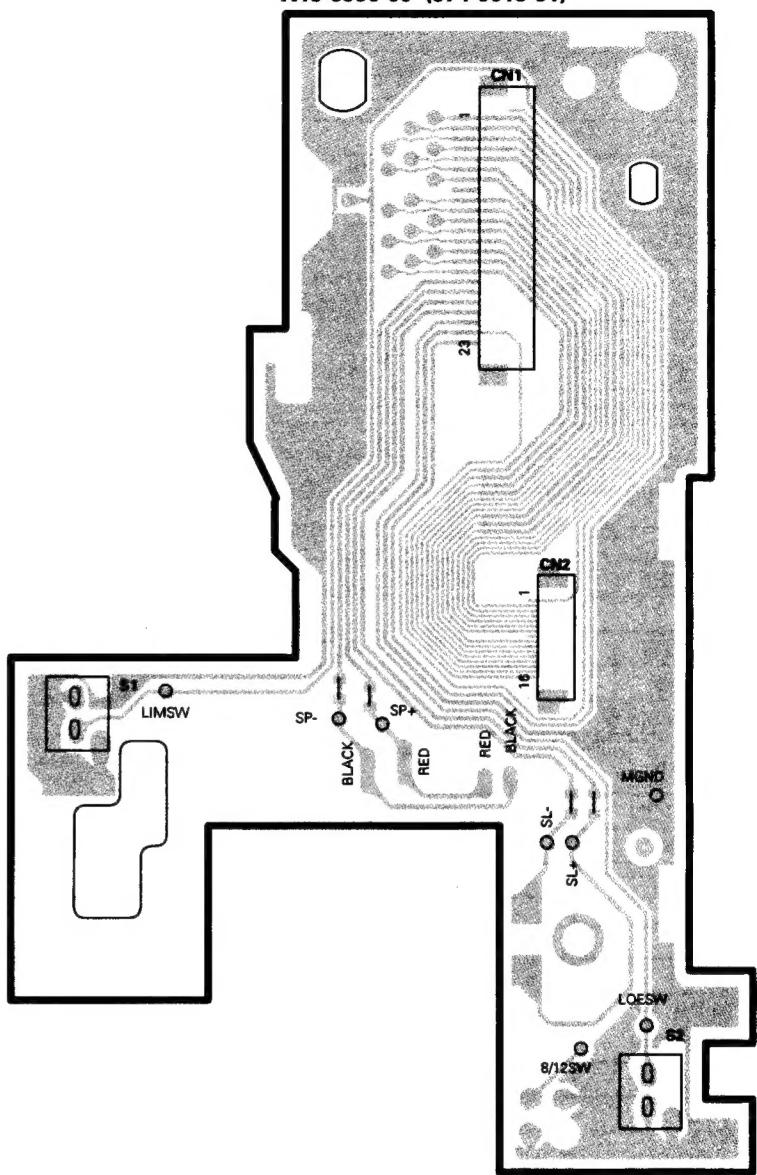
Refer to the schematic diagram for the values of resistors and capacitors.

SUB-CIRCUIT UNIT (X13-8990-00)

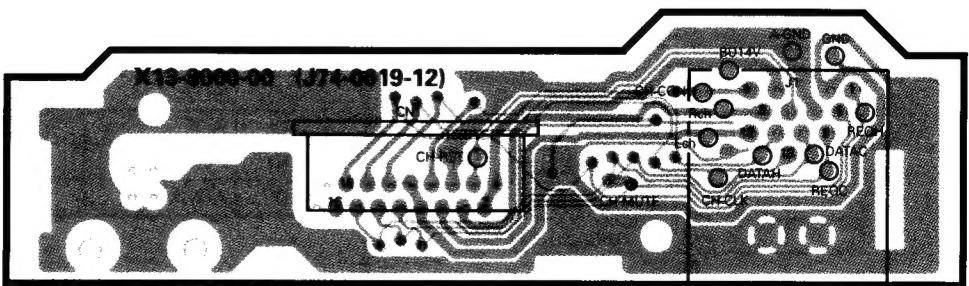
X13-8990-00 (J74-0618-31)

CD PLAYER UNIT
(X32-4490-00)

Ref.No	Address
IC	Q
1	4E
3	3D
4	4C
5	3B
6	5B
7	4B
8	4C
9	5C
11	4B
12	4C
1	3E
2	4E
3	4D
6	3C
7	3C
8	3C
9	2A
10	5C
11	4C
12	4C
13	3C
14	3C
15	6D
16	6D
17	6C
18	6C
20	5A
21	6D
22	6D
25	5B
26	6C



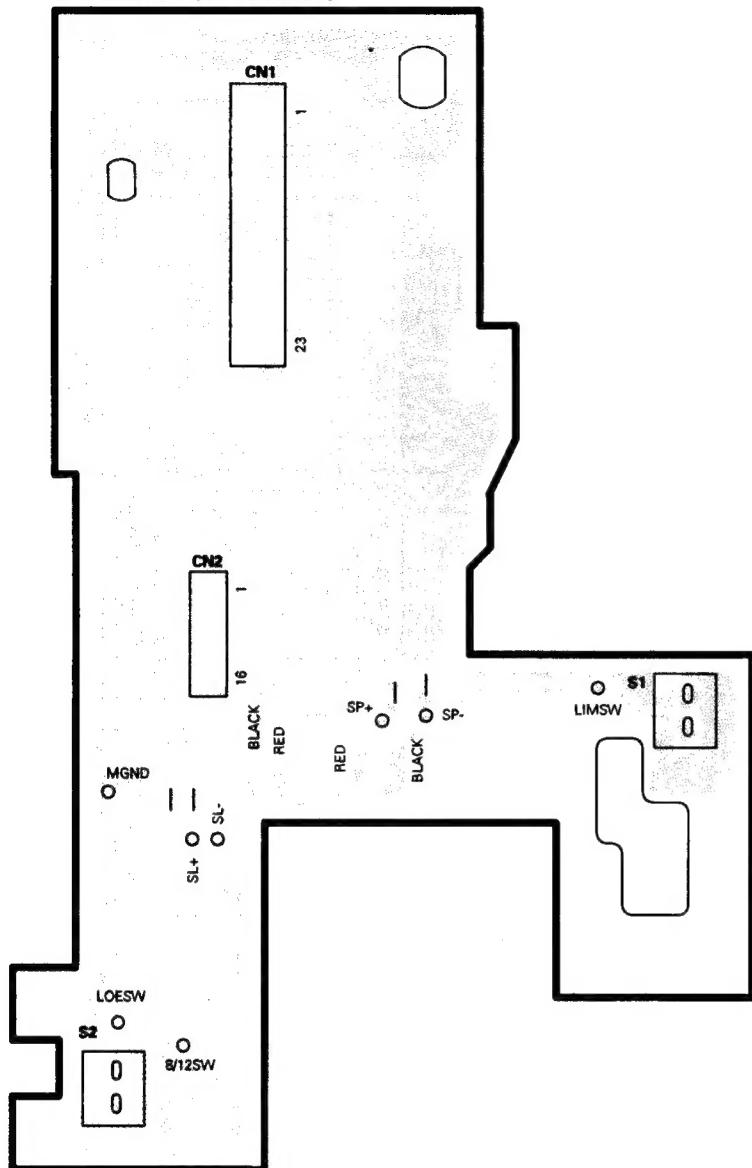
SUB-CIRCUIT UNIT (X13-9000-00)



PC BOARD (Foil side view)

SUB-CIRCUIT UNIT (X13-8990-00)

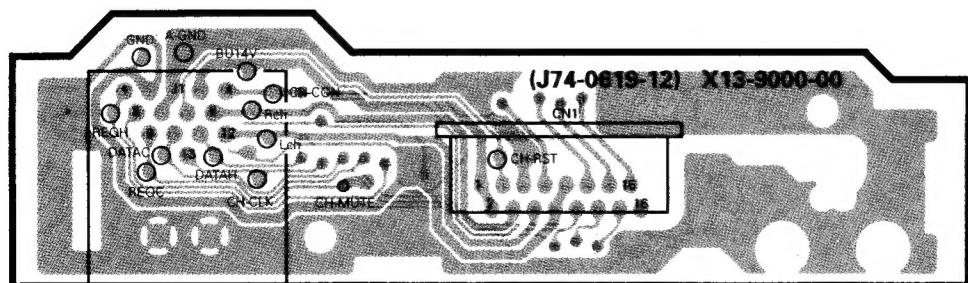
X13-8990-00 (J74-0618-31)



CD PLAYER UNIT
(X32-4490-00)

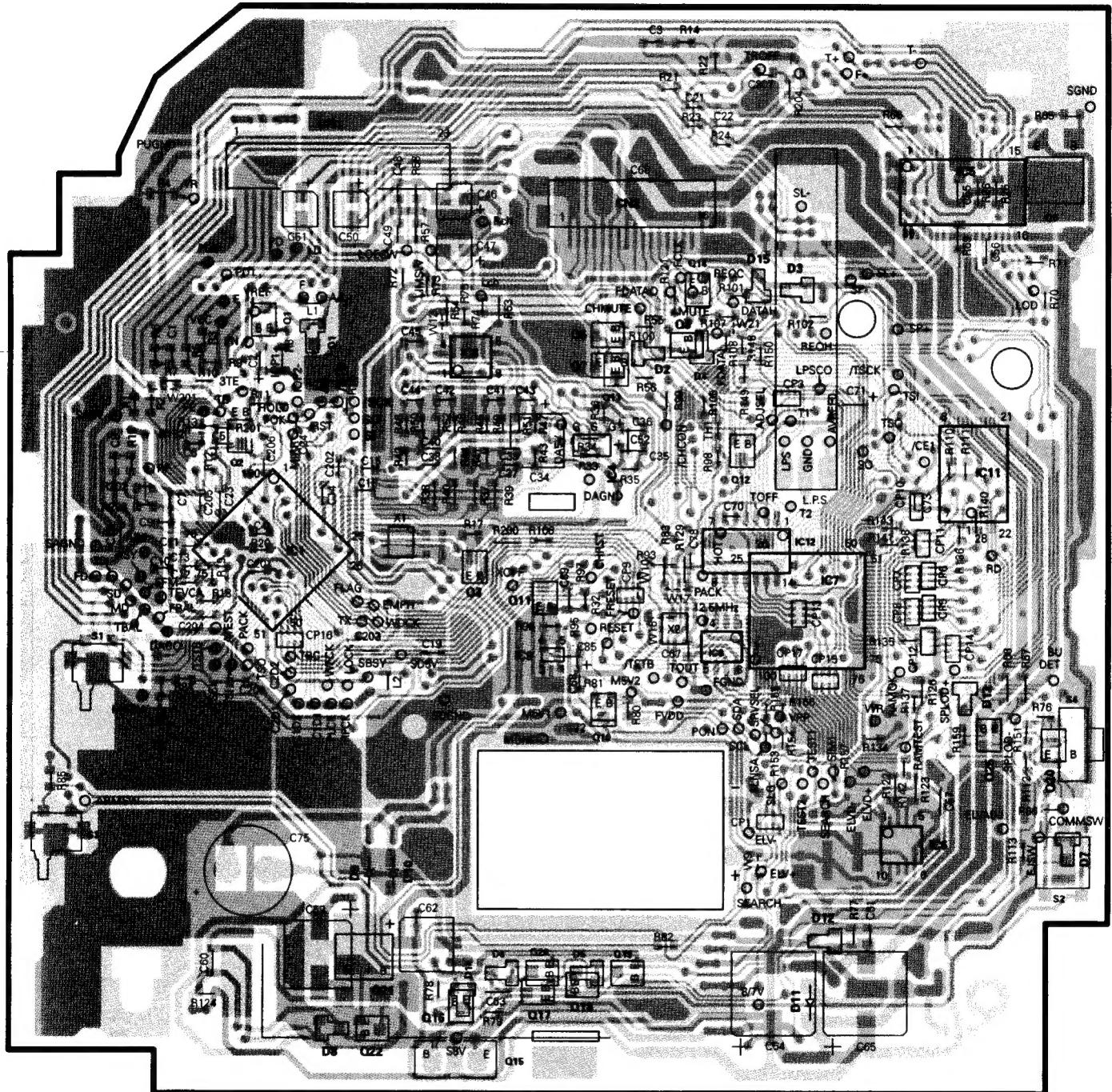
Ref.No		Address
IC	Q	
1		4Q
3		3Q
4		4R
5		3S
6		5S
7		4S
8		4R
9		5R
11		4T
12		4S
	1	3Q
	2	4P
	3	4Q
	6	3R
	7	3R
	8	3R
	9	2T
	10	5R
	11	4R
	12	4S
	13	3R
	14	3R
	15	6Q
	16	6Q
	17	6R
	18	6R
	20	5T
	21	6Q
	22	6Q
	25	5T
	26	6R

SUB-CIRCUIT UNIT (X13-9000-00)



CD PLAYER UNIT (X32-4610-00)/(X32-4490-XX)

X32-4490-00 (J74-0893-01)



Refer to the schematic diagram for the values of resistors and capacitors.

A

B

C

D

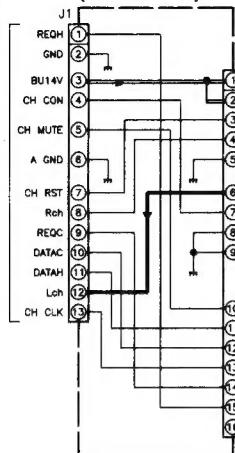
E

J1
(OUTSIDE VIEW)

1	REQH
2	GND
3	BU+14V
4	CH CON
5	CH MUTE
6	A GND
7	CH RST
8	Rch
9	REQC
10	DATAAC
11	DATAAH
12	Lch
13	CH CLK



(X32-4490-XX)



(E30-4138-05)

(X32-449X-XX)

MODEL NAME	UNIT NO.	C73,78	CP10,11,13	I11,12	R157	S4
KDC-C622/Y	0-00	YES	YES	YES	NO	YES
KDC-C462/Y	0-01	NO	NO	NO	YES	NO

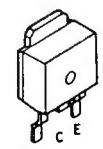
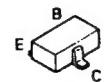
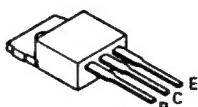
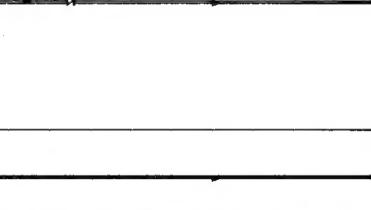
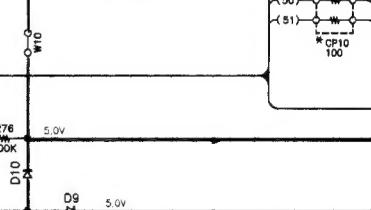
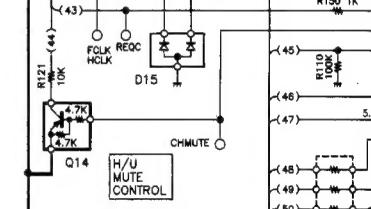
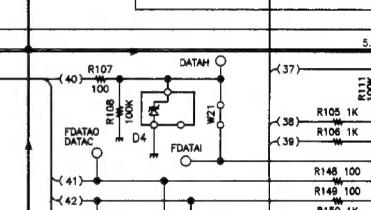
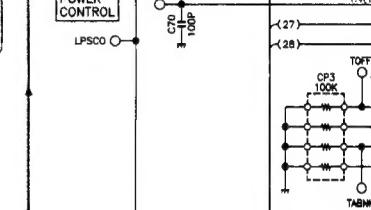
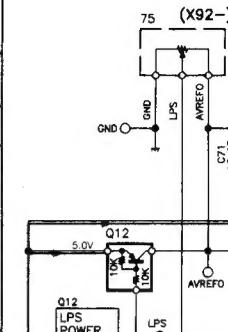
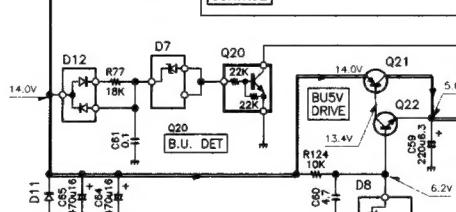
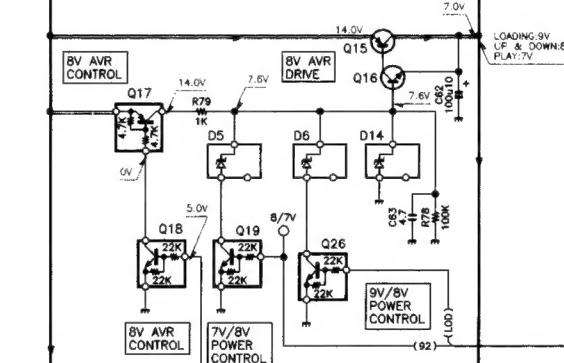
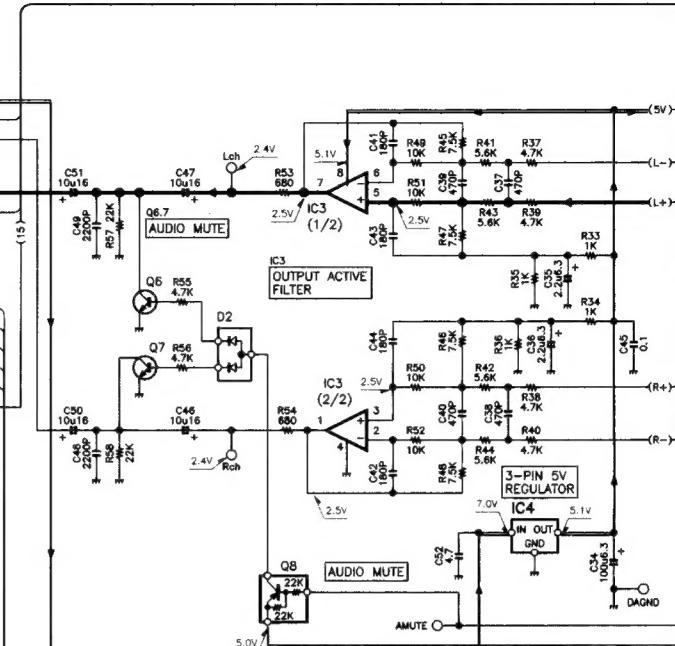
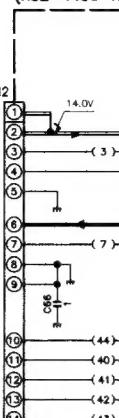
IC1 : UPD63710GC
 IC3 : NJM2100M
 IC4 : TA78L05F
 IC5 : LA6546
 IC6 : LB1930M
 IC7 : UPD784214GC-029-BEU
 IC8 : S-24C01AFJA
 IC9 : PST9137NR
 IC11 : LC3564BT-70
 IC12 : TC74HC4072AF

Q1,10 : 2SA1362(Y)
 Q2,16,22 : 2SC2412K
 Q3,11,13,18-20,25,26 : DTC124EK
 Q6,7 : 2SD2114K
 Q8 : DTA124EK
 Q9,21 : 2SB1184
 Q12 : DTA114EK
 Q14,17 : DTA143EK
 Q15 : 2SB1565(E,F)

D1,2,15 : DAP202K
 D3,4,7 : MA3056-M
 D5 : MA3075-M
 D6 : MA3091-L
 DB : MA3062-M
 D9,10 : M1F80
 D11 : ISR154-400
 D12 : DA204K
 D13 : DAN202K
 D14 : MA3100-M

————— SIGNAL LINE
 +———— B LINE

(X32-4490-00)



2SB1565

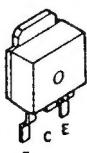
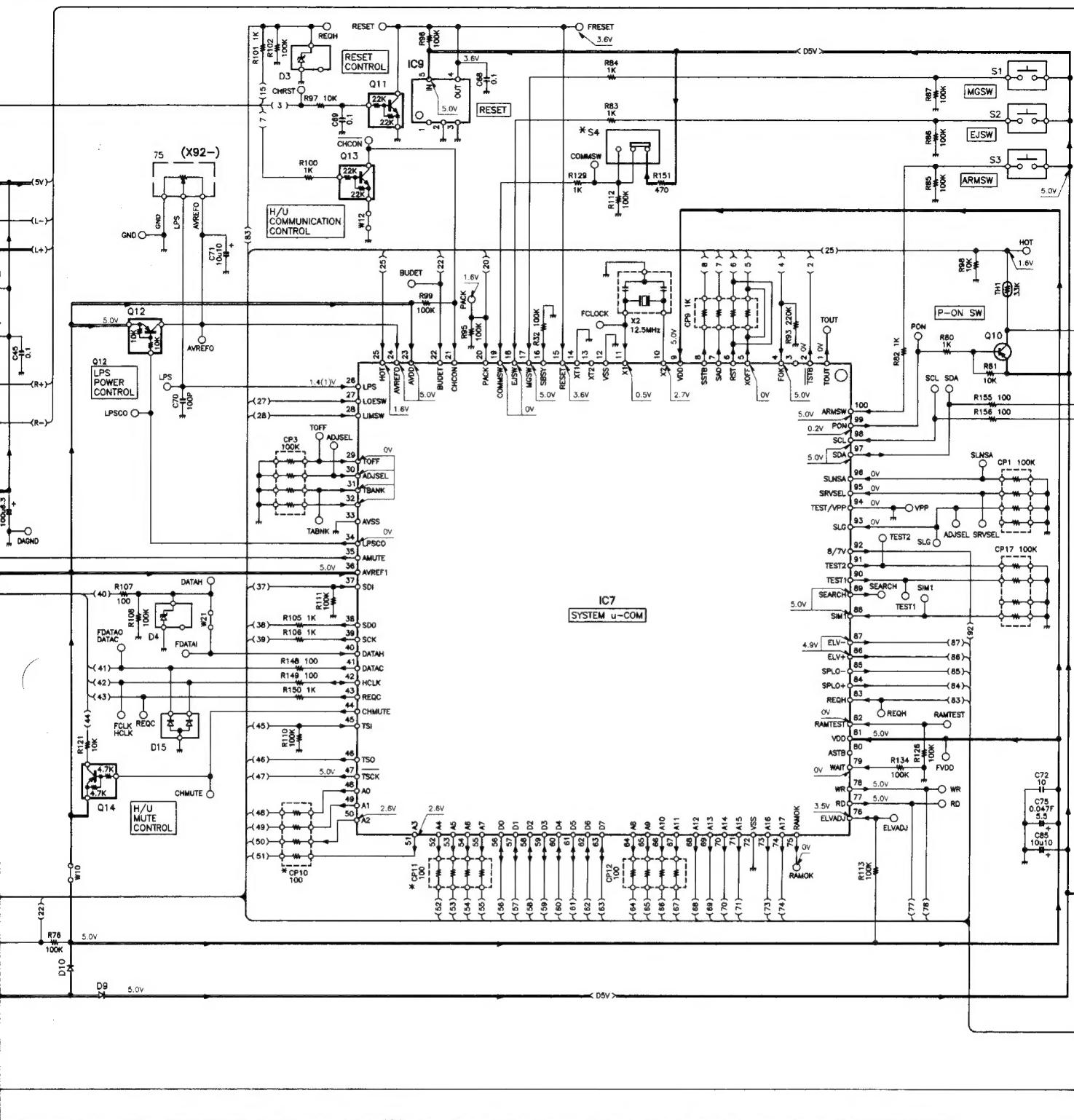
DTA114EK 2SA1036K

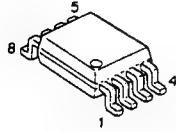
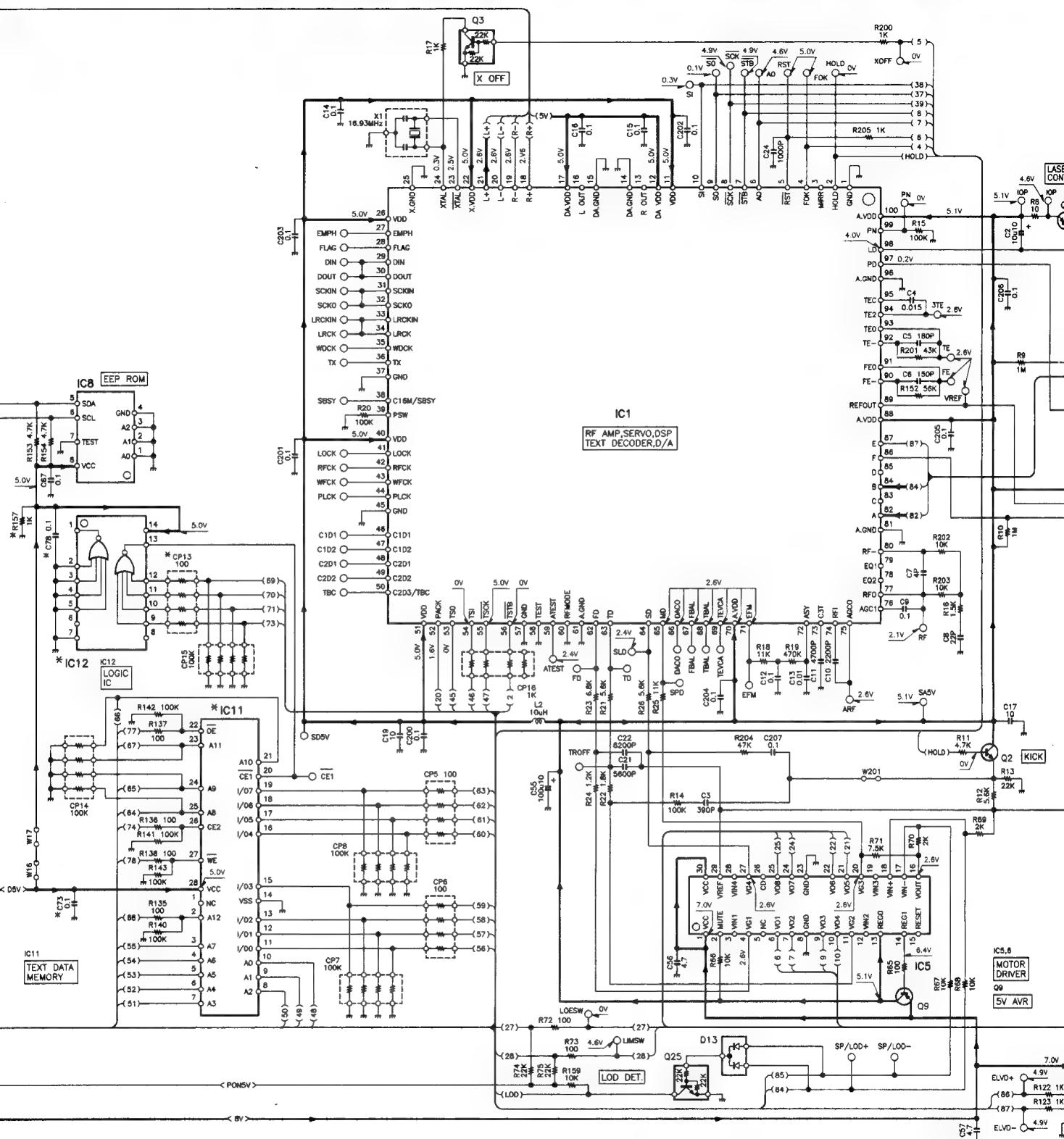
DTA124EK 2SA1362

DTA143EK 2SC2412K

DTC124EK 2SD2114K

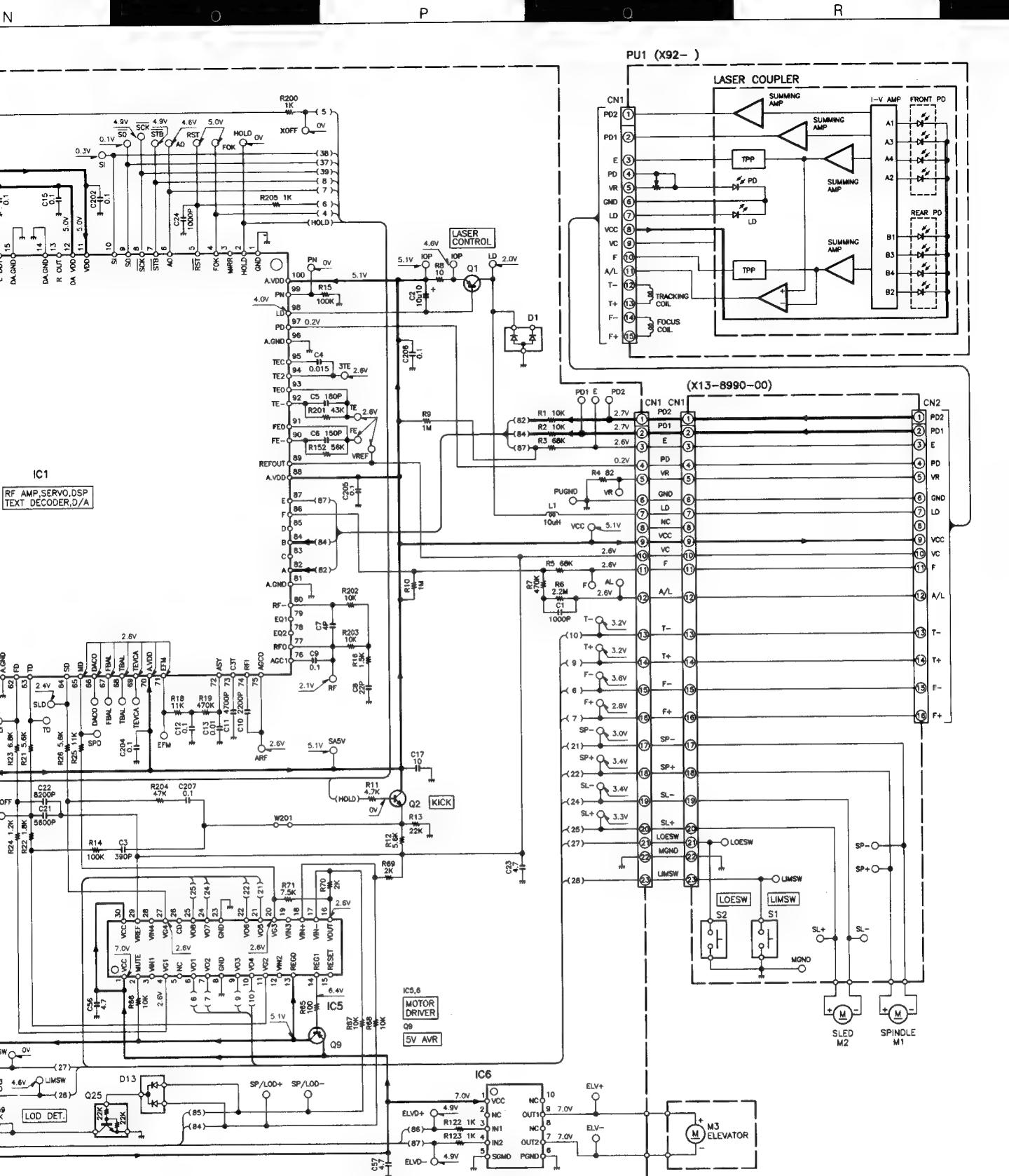
2SB1184





NJM2100M

DC voltages are as measured
Values may vary slightly due
instruments or/and units.

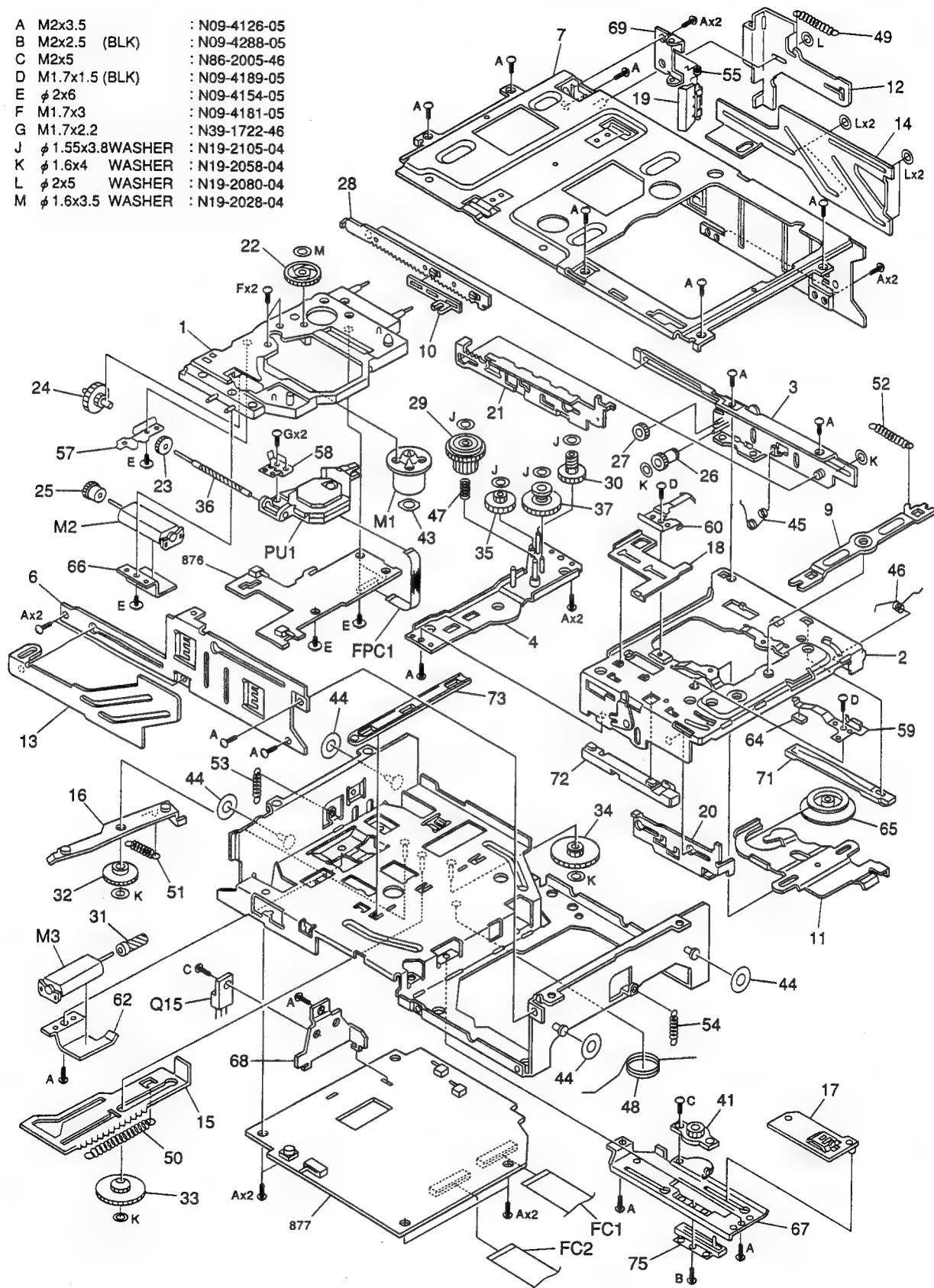


DC voltages are as measured with a high impedance voltmeter.
Values may vary slightly due to variations between individual instruments or/and units.

KDC-C

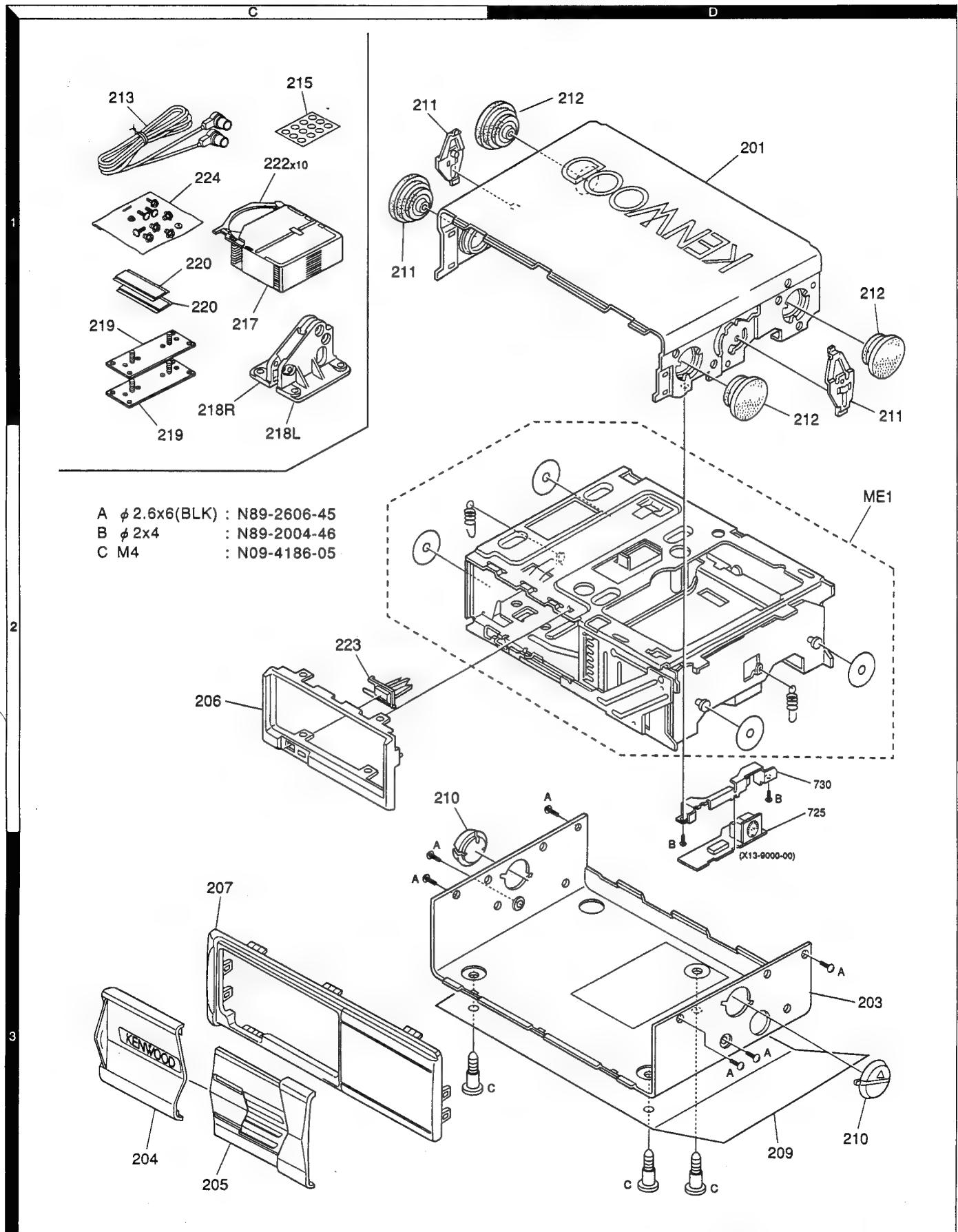
KDC-C462/Y, C662/Y **EXPLODED VIEW (MECHANISM)**

A	M2x3.5	:	N09-4126-05
B	M2x2.5 (BLK)	:	N09-4288-05
C	M2x5	:	N86-2005-46
D	M 1.7x1.5 (BLK)	:	N09-4189-05
E	ϕ 2x6	:	N09-4154-05
F	M 1.7x3	:	N09-4181-05
G	M 1.7x2.2	:	N39-1722-46
J	ϕ 1.55x3.8 WASHER	:	N19-2105-04
K	ϕ 1.6x4 WASHER	:	N19-2058-04
L	ϕ 2x5 WASHER	:	N19-2080-04
M	ϕ 1.6x3.5 WASHER	:	N19-2028-04



KDC-C462/Y, C662/Y

EXPLODED VIEW (UNIT)



KDC-C462/Y, C662/Y

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

CD PLAYER UNIT (X32-4490-XX)

Ref.No.	A d d e w	Parts No.	Description	Desti- nation	Ref.No.	A d d e w	Parts No.	Description	Desti- nation
D1 ,2		DAP202K	DIODE		14	1B	D10-4035-23	SLIDER	
D3 ,4		MA3056-M	ZENER DIODE		15	3A	D10-4026-03	LEVER	
D5		MA3075-M	ZENER DIODE		16	2A	D10-4027-04	LEVER ASSY	
D6		MA3091-L	ZENER DIODE		17	3B	D10-4029-04	SLIDER ASSY	
D7		MA3056-M	ZENER DIODE		18	2B	D10-4032-13	SLIDER	
D8		MA3062-M	ZENER DIODE		19	1B	D10-4138-03	LEVER	
D9 ,10		M1F60	DIODE		20	2B	D12-0618-13	CAM	
D11		ISR154-400	DIODE		21	1B	D12-0619-33	CAM	
D12		DA204K	DIODE		22	1A	D13-1251-14	GEAR	
D13		DAN202K	DIODE		23	2A	D13-1252-04	GEAR	
D14		MA3100-M	ZENER DIODE		24	1A	D13-1253-04	GEAR	
D15		DAP202K	DIODE		25	2A	D13-1254-04	GEAR	
IC1	*	UPD63710GC	MOS-IC		26	2B	D13-1255-14	GEAR	
IC3		NJM2100M	MOS-IC		27	1B	D13-1256-04	GEAR	
IC4		TA78L05F	IC(VOLTAGE REGULATOR/ +5V)		28	1A	D13-1257-14	GEAR ASSY	
IC5		LA6546	ANALOGUE IC		29	2A	D13-1259-04	GEAR	
IC6		LB1930M	ANALOGUE IC		30	2B	D13-1262-34	GEAR	
IC7		UPD784214GC029	MI-COM IC	KME E1	31	3A	D13-1263-04	WORM	
IC8		S-24C01AFJA	MEMORY IC	KME E1	32	3A	D13-1264-04	GEAR	
IC9		PST9137NR	ANALOGUE IC		33	3A	D13-1265-04	GEAR	
IC11		LC3564BT-70	MEMORY IC		34	3B	D13-1266-04	GEAR	
IC12		TC74HC4072AF	MOS-IC		35	2B	D13-1338-04	GEAR	
Q1		2SA1362(Y)	TRANSISTOR		36	2A	D19-0614-24	LEAD SCREW	
Q2		2SC2412K	TRANSISTOR		37	2B	D19-0615-14	CLUTCH ASSY	
Q3		DTC124EK	DIGITAL TRANSISTOR		41	3B	D39-0225-05	DAMPER	
Q6 ,7		2SD2114K	TRANSISTOR		FC1	3B	E39-0172-15	FLAT CABLE	
Q8		DTA124EK	DIGITAL TRANSISTOR		FC2	3B	E39-0173-15	FLAT CABLE	
Q9		2SB1184	TRANSISTOR		43	2A	F09-1220-04	SHEET	
Q10		2SA1362(Y)	TRANSISTOR		44	3B	F09-1245-04	SHEET	
Q11		DTC124EK	DIGITAL TRANSISTOR		45	2B	G01-2778-04	TORSION COIL SPRING	
Q12		DTA114EK	DIGITAL TRANSISTOR		46	2B	G01-2779-04	TORSION COIL SPRING	
Q13		DTC124EK	DIGITAL TRANSISTOR		47	2A	G01-2781-04	COMPRESSION SPRING	
Q14		DTA143EK	DIGITAL TRANSISTOR		48	3B	G01-2782-14	TORSION COIL SPRING	
Q16		2SC2412K	TRANSISTOR		49	1B	G01-2783-14	EXTENSION SPRING	
Q17		DTA143EK	DIGITAL TRANSISTOR		50	3A	G01-2784-04	EXTENSION SPRING	
Q18 -20		DTC124EK	DIGITAL TRANSISTOR		51	3A	G01-2785-04	EXTENSION SPRING	
Q21		2SB1184	TRANSISTOR		52	1B	G01-2789-14	EXTENSION SPRING	
Q22		2SC2412K	TRANSISTOR		53	2A	G01-2810-04	EXTENSION SPRING	
Q25 ,26		DTC124EK	DIGITAL TRANSISTOR		54	3B	G01-2809-14	EXTENSION SPRING	
TH1		NTH5G40B333K01	THERMISTOR		55	1B	G01-2814-24	TORSION COIL SPRING	
					57	2A	G02-1235-24	FLAT SPRING	
					58	2A	G02-1256-14	FLAT SPRING	
					59	2B	G02-1237-13	FLAT SPRING	
					60	2B	G02-1238-34	FLAT SPRING	
					62	3A	G02-1240-04	FLAT SPRING	
					64	2B	G10-1023-04	FELT	
					65	2B	J11-0614-03	CLAMPER	
					66	2A	J21-7695-04	MOUNTING HARDWARE	
					67	3B	J21-7696-23	MOUNTING HARDWARE	
					68	3A	J21-7698-04	MOUNTING HARDWARE	
					69	1B	J21-7767-13	MOUNTING HARDWARE	
					71	2B	J90-0777-13	GUIDE	

K: USA M: Other Areas
E: Europe

K, M, E: KDC-C662
E1: KDC-C662Y
E2: KDC-C462Y
E4: KDC-C462

▲ indicates safety critical components.

KDC-C462/Y, C662/Y

PARTS LIST

* New Parts

Parts without Parts No. are not supplied.

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Teile ohne Parts No. werden nicht geliefert.

Ref.No.	A d d w	N e d	Parts No.	Description	Desti- nation
KDC-C462/Y, C662/Y					
201	1D	A01-2654-01	METALLIC CABINET		
203	3D	A10-4367-01	CHASSIS		
204	3C	* A21-3531-02	DRESSING PANEL		
205	3C	* A21-3533-02	DRESSING PANEL		
206	2C	A22-2239-12	SUB PANEL		
207	3C	* A64-1603-01	PANEL	KME E1	
207	3C	* A64-1736-01	PANEL	E2 E4	
209	3D	B58-1275-04	CAUTION CARD		
-	-	B46-0100-50	WARRANTY CARD		
-	-	B46-0172-13	QUESTIONNAIRE CARD	K	
-	-	B46-0182-14	ID CARD	B1E2	
-	-	B58-1236-04	CAUTION CARD (CORD)		
-	-	* B64-1373-00	INSTRUCTION MANUAL(E,F,S,P)	K	
-	-	* B64-1376-00	INSTRUCTION MANUAL(E,T)	M	
-	-	* B64-1379-00	INSTRUCTION MANUAL(E,R,O)	E1E2	
-	-	* B64-1380-00	INSTRUCTION MANUAL(Z,H,C)	E1E2	
-	-	* B64-1381-00	INSTRUCTION MANUAL(E,F,S,P)	E E4	
-	-	* B64-1382-00	INSTRUCTION MANUAL(G,D,I)	E E4	
210	3D	D10-4204-03	ARM		
211	1C	D10-4033-14	LEVER		
212	1D	D39-0226-03	DAMPER		
213	1C	E30-4138-05	CORD WITH PLUG		
215	1C	F19-1303-04	BLIND PLATE		
-	-	H02-0813-13	INNER CARTON CASE		
-	-	H10-4554-12	POLYSTYRENE FOAMED FIXTURE		
-	-	H25-0337-04	PROTECTION BAG (180X300X0.03)		
-	-	H25-1115-04	PROTECTION BAG		
-	-	* H54-1402-04	ITEM CARTON CASE	KM	
-	-	* H54-1406-04	ITEM CARTON CASE		
-	-	* H54-1407-04	ITEM CARTON CASE	E4	
-	-	* H54-1409-04	ITEM CARTON CASE	E1	
-	-	* H54-1410-04	ITEM CARTON CASE	E2	
217	1C	J19-4687-32	HOLDER ASSY		
218L	1C	J19-4713-13	BRACKET		
218R	1C	J19-4715-13	BRACKET		
219	1C	J21-7618-14	MOUNTING HARDWARE ASSY	M	
220	1C	J69-0506-04	ADHESIVE TAPE	M	
222	1C	J99-0604-21	TRAY		
223	2C	K24-1792-04	KNOB		
224	1C	N99-1628-15	SCREW SET	M	
224	1C	N99-1645-15	SCREW SET	KEE1E2	
A	3D	N89-2606-45	BINDING HEAD TAPITTE SCREW		
B	2D	N89-2004-46	BINDING HEAD TAPITTE SCREW		
C	3D	N09-4186-05	STEPPED SCREW		
ME1	2D	* X92-3410-00	MECHANISM ASSY	KME E1	
ME1	2D	* X92-3410-01	MECHANISM ASSY	E2 E4	
	2C				

Ref.No.	A d d w	N e d	Parts No.	Description	Desti- nation
SUB CIRCUIT UNIT (X13-8900-00)					
CN1			E40-9487-05	FLAT CABLE CONNECTOR	
CN2			E40-9536-05	FLAT CABLE CONNECTOR	
S1 ,2			S74-0811-05	MICRO SWITCH	
SUB CIRCUIT UNIT (X13-9000-00)					
CN1			E40-9555-05	FLAT CABLE CONNECTOR	
J1			E56-0825-05	CYLINDRICAL RECEPTACLE	
CD PLAYER UNIT (X32-4490-XX)(X32-4610-XX)					
C1			CK73FB1H102K	CHIP C	1000PF K
C2			C92-0628-05	CHIP-TAN	10UF 10WV
C3			CC73FCH1H391J	CHIP C	390PF J
C4			CK73FB1H153KTA	CHIP C	0.015UF K
C5			CC73FCH1H181J	CHIP C	180PF J
C6			CC73FCH1H151J	CHIP C	150PF J
C7			CC73FCH1H040C	CHIP C	4.0PF C
C8			CC73FCH1H220J	CHIP C	22PF J
C9			CK73FB1C104K	CHIP C	0.10UF K
C10			CK73FB1H222K	CHIP C	2200PF K
C11			CK73FB1H472K	CHIP C	4700PF K
C12			CK73FB1C104K	CHIP C	0.10UF K
C13			CK73FB1H103K	CHIP C	0.010UF K
C14		-16	CK73FB1C104K	CHIP C	0.10UF K
C17			CK73BBOJ106K	CHIP C	10UF K
C19			CK73EB0J106K	CHIP C	10UF K
C21			CK73FB1H562K	CHIP C	5600PF K
C22			CK73FB1H822K	CHIP C	8200PF K
C23			CK73EB1A475K	CHIP C	4.7UF K
C24			CK73FB1H102K	CHIP C	1000PF K
C34			C92-1390-05	ELECTRO	100UF 6.3WV
C35 ,36			C92-0005-05	CHIP-TAN	2.2UF 6.3WV
C37 -40			CK73FB1H471K	CHIP C	470PF K
C41 -44			CC73FCH1H181J	CHIP C	180PF J
C45			CK73FB1C104K	CHIP C	0.10UF K
C46 ,47			C92-1393-05	ELECTRO	10UF 16WV
C48 ,49			CK73FB1H222K	CHIP C	2200PF K
C50 ,51			C92-1393-05	ELECTRO	10UF 16WV
C52			CK73EB1A475K	CHIP C	4.7UF K
C55			C92-0628-05	CHIP-TAN	10UF 10WV
C56 ,57			CK73EB1A475K	CHIP C	4.7UF K
C59			C92-1391-05	ELECTRO	220UF 6.3WV
C60			CK73EB1A475K	CHIP C	4.7UF K
C61			CK73FB1C104K	CHIP C	0.10UF K
C62			C92-1392-05	ELECTRO	100UF 10WV
C63			CK73EB1A475K	CHIP C	4.7UF K
C64 ,65			C92-1388-05	ELECTRO	470UF 16WV
C66			CK73EB1C105K	CHIP C	1.0UF K
C67 -69			CK73FB1C104K	CHIP C	0.10UF K
C70			CC73FCH1H101J	CHIP C	100PF J
C71			C92-0628-05	CHIP-TAN	10UF 10WV
C72			CK73BBOJ106K	CHIP C	10UF K
C73			CK73FB1C104K	CHIP C	0.10UF K

K: USA M: Other Areas
E: Europe

K, M, E: KDC-C662 E2: KDC-C462Y
E1: KDC-C662Y E4: KDC-C462

▲ indicates safety critical components.

KDC-C462/Y, C662/Y

PARTS LIST

* New Parts

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CD PLAYER UNIT (X32-4490-XX)

Ref.No.	A d d e w	Parts No.	Description			Desti- nation	Ref.No.	A d d e w	Parts No.	Description			Desti- nation
C75		C90-2945-05	ELECTRO	0.047F	5.5WV		R69		RK73EB2B202J	CHIP R	2.0K	J	1/8W
C78		CK73FB1C104K	CHIP C	0.10UF	K		R70		RK73FB2A202J	CHIP R	2.0K	J	1/10W
C85		C92-0628-05	CHIP-TAN	10UF	10WV		R71		RK73FB2A752J	CHIP R	7.5K	J	1/10W
C200-207		CK73FB1C104K	CHIP C	0.10UF	K		R72 ,73		RK73FB2A101J	CHIP R	100	J	1/10W
CN1		E40-9338-05	FLAT CABLE CONNECTOR				R74 ,75		RK73FB2A223J	CHIP R	22K	J	1/10W
CN2		E40-9404-05	FLAT CABLE CONNECTOR				R76		RK73FB2A104J	CHIP R	100K	J	1/10W
L1 ,2		L40-1001-78	SMALL FIXED INDUCTOR(10UH)				R77		RK73FB2A183J	CHIP R	18K	J	1/10W
X1		L78-0596-05	RESONATOR				R78		RK73FB2A104J	CHIP R	100K	J	1/10W
X2		L78-0568-05	RESONATOR				R79 ,80		RK73FB2A102J	CHIP R	1.0K	J	1/10W
CP1		R90-0720-05	MULTI-COMP	100K X4			R81		RK73FB2A103J	CHIP R	10K	J	1/10W
CP3		R90-0720-05	MULTI-COMP	100K X4			R82		RK73FB2A102J	CHIP R	1.0K	J	1/10W
CP5 ,6		R90-1014-05	MULTI-COMP	100 X4			R83		RK73EB2B102J	CHIP R	1.0K	J	1/8W
CP7 ,8		R90-0720-05	MULTI-COMP	100K X4			R84		RK73FB2A102J	CHIP R	1.0K	J	1/10W
CP9		R90-0724-05	MULTI-COMP	1K X4			R85 -87		RK73FB2A104J	CHIP R	100K	J	1/10W
CP10-13		R90-1014-05	MULTI-COMP	100 X4		KME E1	R93		RK73EB2B224J	CHIP R	220K	J	1/8W
CP12		R90-1014-05	MULTI-COMP	100 X4		E2 E4	R95		RK73EB2B104J	CHIP R	100K	J	1/8W
CP14,15		R90-0720-05	MULTI-COMP	100K X4			R96		RK73FB2A104J	CHIP R	100K	J	1/10W
CP16		R90-0724-05	MULTI-COMP	1K X4			R97 ,98		RK73FB2A103J	CHIP R	10K	J	1/10W
CP17		R90-0720-05	MULTI-COMP	100K X4			R99		RK73FB2A104J	CHIP R	100K	J	1/10W
R1 ,2		RK73FB2A103J	CHIP R	10K	J	1/10W	R100,101		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R3		RK73FB2A683J	CHIP R	68K	J	1/10W	R102		RK73FB2A104J	CHIP R	100K	J	1/10W
R4		RK73EB2B820J	CHIP R	82	J	1/8W	R105,106		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R5		RK73FB2A683J	CHIP R	68K	J	1/10W	R107		RK73FB2A101J	CHIP R	100	J	1/10W
R6		RK73FB2A225J	CHIP R	2.2M	J	1/10W	R108		RK73FB2A104J	CHIP R	100K	J	1/10W
R7		RK73FB2A474J	CHIP R	470K	J	1/10W	R110-113		RK73FB2A104J	CHIP R	100K	J	1/10W
R8		RK73EB2B100J	CHIP R	10	J	1/8W	R121		RK73FB2A103J	CHIP R	10K	J	1/10W
R9 ,10		RK73FB2A105J	CHIP R	1.0M	J	1/10W	R122,123		RK73EB2B102J	CHIP R	1.0K	J	1/8W
R11		RK73FB2A472J	CHIP R	4.7K	J	1/10W	R124		RK73FB2A103J	CHIP R	10K	J	1/10W
R12		RK73FB2A562J	CHIP R	5.6K	J	1/10W	R126		RK73BB2B104J	CHIP R	100K	J	1/8W
R13		RK73FB2A223J	CHIP R	22K	J	1/10W	R129		RK73EB2B102J	CHIP R	1.0K	J	1/8W
R14 ,15		RK73FB2A104J	CHIP R	100K	J	1/10W	R134		RK73FB2A104J	CHIP R	100K	J	1/10W
R16		RK73FB2A152J	CHIP R	1.5K	J	1/10W	R135-138		RK73FB2A101J	CHIP R	100	J	1/10W
R17		RK73FB2A102J	CHIP R	1.0K	J	1/10W	R140-143		RK73FB2A104J	CHIP R	100K	J	1/10W
R18		RK73FB2A113J	CHIP R	11K	J	1/10W	R148,149		RK73FB2A101J	CHIP R	100	J	1/10W
R19		RK73FB2A474J	CHIP R	470K	J	1/10W	R150		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R20		RK73FB2A104J	CHIP R	100K	J	1/10W	R151		RK73FB2A471J	CHIP R	470	J	1/10W
R21		RK73FB2A562J	CHIP R	5.6K	J	1/10W	R152		RK73FB2A563J	CHIP R	56K	J	1/10W
R22		RK73FB2A182J	CHIP R	1.8K	J	1/10W	R153,154		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R23		RK73FB2A682J	CHIP R	6.8K	J	1/10W	R155,156		RK73FB2A101J	CHIP R	100	J	1/10W
R24		RK73FB2A122J	CHIP R	1.2K	J	1/10W	R157		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R25		RK73EB2B113J	CHIP R	11K	J	1/8W	R159		RK73FB2A103J	CHIP R	10K	J	1/10W
R26		RK73EB2B562J	CHIP R	5.6K	J	1/8W	R200		RK73EB2B102J	CHIP R	1.0K	J	1/8W
R32		RK73FB2A104J	CHIP R	100K	J	1/10W	R201		RK73FB2A433J	CHIP R	43K	J	1/10W
R33 -36		RK73FB2A102J	CHIP R	1.0K	J	1/10W	R202,203		RK73FB2A103J	CHIP R	10K	J	1/10W
R37 -40		RK73EB2B472J	CHIP R	4.7K	J	1/8W	R204		RK73FB2A473J	CHIP R	47K	J	1/10W
R41 -44		RK73FB2A562J	CHIP R	5.6K	J	1/10W	W9 ,10		R92-2053-05	CHIP R	0	J	1/8W
R45 -48		RK73FB2A752J	CHIP R	7.5K	J	1/10W	W12		R92-2053-05	CHIP R	0	J	1/8W
R49 -52		RK73FB2A103J	CHIP R	10K	J	1/10W	W16 ,17		R92-2053-05	CHIP R	0	J	1/8W
R53 ,54		RK73EB2B681J	CHIP R	680	J	1/8W	W21		R92-2052-05	CHIP R	0	J	1/10W
R55 ,56		RK73FB2A472J	CHIP R	4.7K	J	1/10W	W201		R92-2053-05	CHIP R	0	J	1/8W
R57 ,58		RK73FB2A223J	CHIP R	22K	J	1/10W	S1		S68-0823-05	PUSH SWITCH			
R65		RK73FB2A101J	CHIP R	100	J	1/10W	S2		S70-0838-05	TACT SWITCH			
R66		RK73FB2A103J	CHIP R	10K	J	1/10W	S3		S68-0823-05	PUSH SWITCH			
R67 ,68		RK73BB2B103J	CHIP R	10K	J	1/8W	S4		S62-0857-05	SLIDE SWITCH			

K: USA M: Other Areas
E: Europe

K, M, E: KDC-C662
E1: KDC-C662Y E2: KDC-C462Y E4: KDC-C462

 indicates safety critical components.

KDC-C462/Y, C662/Y

PARTS LIST

* New Parts

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MECHANISM ASSY (X92-3410-XX)

Ref.No.	A d d w	N e w	Parts No.	Description	Desti- nation
72	2B	J90-0759-03	GUIDE		
73	2B	J90-0760-03	RAIL		
FPC1	2A	J84-0063-15	FLEXIBLE PRINTED WIRING BOARD		
A	1B	N09-4126-05	MACHINE SCREW (2X3.5)		
B	3B	N09-4288-05	TAPITITE SCREW (2X2.5)		
C	3A	N86-2005-46	BINDING HEAD TAPITITE SCREW		
D	2B	N09-4189-05	TAPITITE SCREW (1.7X1.5)		
E	2A	N09-4154-05	TAPITITE SCREW		
F	1A	N09-4181-05	MACHINE SCREW (M1.7X3)		
G	1A	N39-1722-46	PAN HEAD MACHIN SCREW		
K	2B	N19-2058-04	FLAT WASHER		
L	1B	N19-2080-14	FLAT WASHER		
M	1A	N19-2028-04	FLAT WASHER		
P	2B	N19-2105-14	FLAT WASHER		
75	3B	R33-0201-05	SLIDE TYPE VARIABLE RESISTOR		
M1	2A	T42-0797-04	MOTOR ASSY		
M2, 3	3A	T42-0788-05	DC MOTOR		
PU1	2A	T25-0209-05	OPTICAL PICKUP HEAD		
Q15	3A	2SB1565(E,F)	TRANSISTOR		

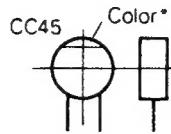
Ref.No.	A d d w	N e w	Parts No.	Description	Desti- nation

PARTS LIST

CAPACITORS

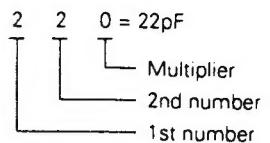
CC 45 TH 1H 220 J
 1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc.
- 2 = Shape ... round, square, ect.
- 3 = Temp. coefficient
- 4 = Voltage rating
- 5 = Value
- 6 = Tolerance



• Capacitor value

- 010 = 1pF
- 100 = 10pF
- 101 = 100pF
- 102 = 1000pF = 0.001μF
- 103 = 0.01μF



• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code		
(%)	±0.25	±0.5	±2	±5	±10	±20	+40	+80	+100	More than 10μF -10 ~ +50		
							-20	-20	-0	Less than 4.7μF -10 ~ +75		

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

1st word	2nd word	A	B	C	D	E	F	G	H	J	K	V
0		1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1		10	12.5	16	20	25	31.5	40	50	63	80	35
2		100	125	160	200	250	315	400	500	630	800	-
3		1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX)	C	C	7	3	F	S	L	1	H	0	0	0	J
	1	2	3	4	5	6		7					
	Refer to the table above.												
	1	2	3	4	5	6		7					

(Chip) (CH, RH, UJ, SL)

(EX)	C	K	7	3	F	F	1	H	0	0	0	Z	
	1	2	3	4	5	6		7					
	(Chip) (B, F)												

Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

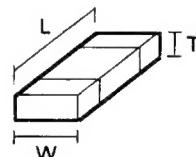
RESISTORS

• Chip resistor (Carbon)

(EX)	R	K	7	3	E	B	2	B	0	0	0	J
	1	2	3	4	5	6		7				

(Chip) (B, F)

Dimension



• Carbon resistor (Normal type)

(EX)	R	D	1	4	B	B	2	C	0	0	0	J
	1	2	3	4	5	6		7				

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Rating wattage
- 6 = Value
- 7 = Tolerance

Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

KDC-C462/Y, C662/Y

SPECIFICATIONS

CD section	
Laser Diode	GaAlAs ($\lambda=780$ nm)
Digital Filter (D/A)	8 Times Over Sampling
D/A Converter	1 Bit
Spindle Speed	500~200 rpm (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	5Hz~20kHz (± 1 dB)
Total Harmonic Distortion	0.005% (1kHz)
S/N Ratio (dB)	94dB
Dynamic Range	94dB
Channel Separation	85dB
General	
Operating Voltage	14.4V (11~16V allowable)
Current Consumption	0.8A at rated power
Installation Size (W × H × D)	250 × 64 × 176mm (9-13/16 × 2-1/2 × 6-15/16 in.)
Weight	1.8kg (4.0 LBS)

Note:

KENWOOD follows a policy continuous advancements in development.
For this reason specifications may be changed without notice.

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